

T. Cunningham.

1644

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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/991,628

DATE: 01/04/1998
TIME: 14:19:59

Input Set: H991628.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

new format

ENTERED

1 <110> APPLICANT: STROMINGER, Jack L
2 WUCHERPFENNIG, Kai
3 <120> TITLE OF INVENTION: IDENTIFICATION OF SELF AND NON-SELF ANTIGENS IMPLICATED
4 IN AUTOIMMUNE DISEASE
5 <130> FILE REFERENCE: HAR-001DV
6 <140> CURRENT APPLICATION NUMBER: US/08/991,628
7 <141> CURRENT FILING DATE: 1997-11-15
8 <150> EARLIER APPLICATION NUMBER: USSN 08/400,796
9 <151> EARLIER FILING DATE: 1995-03-07
10 <160> NUMBER OF SEQ ID NOS: 20
11 <170> SOFTWARE: PatentIn Ver. 2.0
12 <210> SEQ ID NO 1
13 <211> LENGTH: 15
14 <212> TYPE: PRT
15 <213> ORGANISM: Homo sapiens
16 <400> SEQUENCE: 1
17 Ala Thr Gln Lys Ile Thr Tyr Arg Ile Ser Gly Val Gly Ile Asp
18 1 5 10 15
19 <210> SEQ ID NO 2
20 <211> LENGTH: 15
21 <212> TYPE: PRT
22 <213> ORGANISM: Homo sapiens
23 <400> SEQUENCE: 2
24 Phe Gly Ile Phe Val Val Asp Lys Asn Thr Gly Asp Ile Asn Ile
25 1 5 10 15
26 <210> SEQ ID NO 3
27 <211> LENGTH: 15
28 <212> TYPE: PRT
29 <213> ORGANISM: Homo sapiens
30 <400> SEQUENCE: 3
31 Leu Asn Ser Lys Ile Ala Phe Lys Ile Val Ser Gln Glu Pro Ala
32 1 5 10 15
33 <210> SEQ ID NO 4
34 <211> LENGTH: 15
35 <212> TYPE: PRT
36 <213> ORGANISM: Homo sapiens
37 <400> SEQUENCE: 4
38 Thr Pro Met Phe Leu Leu Ser Arg Asn Thr Gly Glu Val Arg Thr
39 1 5 10 15
40 <210> SEQ ID NO 5
41 <211> LENGTH: 15
42 <212> TYPE: PRT
43 <213> ORGANISM: Homo sapiens
44 <400> SEQUENCE: 5

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45      Cys Glu Cys Asn Ile Lys Val Lys Asp Val Asn Asp Asn Phe Pro
46      1                      5                      10                      15
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48      <211> LENGTH: 15
49      <212> TYPE: PRT
50      <213> ORGANISM: Homo sapiens
51      <400> SEQUENCE: 6
52      Ser Ala Arg Thr Leu Asn Asn Arg Tyr Thr Gly Pro Tyr Thr Phe
53      1                      5                      10                      15
54      <210> SEQ ID NO 7
55      <211> LENGTH: 15
56      <212> TYPE: PRT
57      <213> ORGANISM: Homo sapiens
58      <400> SEQUENCE: 7
59      Gln Ser Gly Thr Met Arg Thr Arg His Ser Thr Gly Gly Thr Asn
60      1                      5                      10                      15
61      <210> SEQ ID NO 8
62      <211> LENGTH: 15
63      <212> TYPE: PRT
64      <213> ORGANISM: Herpes simplex
65      <400> SEQUENCE: 8
66      Phe Arg Gln Leu Val His Phe Val Arg Asp Phe Ala Gln Leu Leu
67      1                      5                      10                      15
68      <210> SEQ ID NO 9
69      <211> LENGTH: 15
70      <212> TYPE: PRT
71      <213> ORGANISM: Adenovirus type 12
72      <400> SEQUENCE: 9
73      Asp Phe Glu Val Val Thr Phe Leu Lys Asp Val Leu Pro Glu Phe
74      1                      5                      10                      15
75      <210> SEQ ID NO 10
76      <211> LENGTH: 15
77      <212> TYPE: PRT
78      <213> ORGANISM: Pseudomonas aeruginosa
79      <400> SEQUENCE: 10
80      Asp Arg Leu Leu Met Leu Phe Ala Lys Asp Val Val Ser Arg Asn
81      1                      5                      10                      15
82      <210> SEQ ID NO 11
83      <211> LENGTH: 15
84      <212> TYPE: PRT
85      <213> ORGANISM: Human Papillomavirus type 7
86      <400> SEQUENCE: 11
87      Ile Gly Gly Arg Val His Phe Phe Lys Asp Ile Ser Pro Ile Ala
88      1                      5                      10                      15
89      <210> SEQ ID NO 12
90      <211> LENGTH: 15
91      <212> TYPE: PRT
92      <213> ORGANISM: Epstein-Barr virus
93      <400> SEQUENCE: 12
94      Thr Gly Gly Val Tyr His Phe Val Lys Lys His Val His Glu Ser

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95          1          5          10          15
96 <210> SEQ ID NO 13
97 <211> LENGTH: 15
98 <212> TYPE: PRT
99 <213> ORGANISM: Influenza virus type A
100 <400> SEQUENCE: 13
101      Tyr Arg Asn Leu Val Trp Phe Ile Lys Lys Asn Thr Arg Tyr Pro
102          1          5          10          15
103 <210> SEQ ID NO 14
104 <211> LENGTH: 15
105 <212> TYPE: PRT
106 <213> ORGANISM: Reovirus type 3
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109          1          5          10          15
110 <210> SEQ ID NO 15
111 <211> LENGTH: 15
112 <212> TYPE: PRT
113 <213> ORGANISM: Herpes simplex virus
114 <400> SEQUENCE: 15
115      Gly Gly Arg Arg Leu Phe Phe Val Lys Ala His Val Arg Glu Ser
116          1          5          10          15
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118 <211> LENGTH: 15
119 <212> TYPE: PRT
120 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 16
122      Glu Asn Pro Val Val His Phe Phe Lys Asn Ile Val Thr Pro Arg
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125 <211> LENGTH: 5
126 <212> TYPE: PRT
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128 <220> FEATURE:
129 <221> NAME/KEY: VARIANT
130 <222> LOCATION: (1)
131 <223> OTHER INFORMATION: Xaa at position 1 is either Val, Leu, Ile, Met, or
132      Phe
133 <220> FEATURE:
134 <221> NAME/KEY: VARIANT
135 <222> LOCATION: (3)
136 <223> OTHER INFORMATION: Xaa at position 3 may be any amino acid
137 <220> FEATURE:
138 <221> NAME/KEY: VARIANT
139 <222> LOCATION: (4)
140 <223> OTHER INFORMATION: Xaa at position 4 is either Val, Leu, Ile, Met,
141      Phe, Tyr, or Trp
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid
144      sequence motif

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W--> 145 <400> SEQUENCE: 17
146 Xaa His Xaa Xaa Lys
147 1 5
148 <210> SEQ ID NO 18
149 <211> LENGTH: 6
150 <212> TYPE: PRT
151 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid
154 sequence motif
155 <220> FEATURE:
156 <221> NAME/KEY: VARIANT
157 <222> LOCATION: (1)
158 <223> OTHER INFORMATION: Xaa at position 1 is either Val, Leu, Ile, Ala, or
159 Met
160 <220> FEATURE:
161 <221> NAME/KEY: VARIANT
162 <222> LOCATION: (2)
163 <223> OTHER INFORMATION: Xaa at position 2 is either Val, Leu, Ile, Ala, or
164 Met
165 <220> FEATURE:
166 <221> NAME/KEY: VARIANT
167 <222> LOCATION: (3)
168 <223> OTHER INFORMATION: Xaa at position 3 is either His, Asn, Gln, or Phe
169 <220> FEATURE:
170 <221> NAME/KEY: VARIANT
171 <222> LOCATION: (5)
172 <223> OTHER INFORMATION: Xaa at position 5 is either Phe, Tyr, Trp, Val,
173 Leu, Ile, Ala, or Met
174 <220> FEATURE:
175 <221> NAME/KEY: VARIANT
176 <222> LOCATION: (6)
177 <223> OTHER INFORMATION: Xaa at position 6 is either Lys or Arg
W--> 178 <400> SEQUENCE: 18
179 Xaa Xaa Xaa Phe Xaa Xaa
180 1 5
181 <210> SEQ ID NO 19
182 <211> LENGTH: 5
183 <212> TYPE: PRT
184 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid
187 sequence motif
188 <220> FEATURE:
189 <221> NAME/KEY: VARIANT
190 <222> LOCATION: (1)
191 <223> OTHER INFORMATION: Xaa at position 1 is either Phe, Tyr, Trp, Val,
192 Leu, Ile, Ala, or Met
193 <220> FEATURE:
194 <221> NAME/KEY: VARIANT

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Input Set: H991628.RAW

195 <222> LOCATION: (2)
196 <223> OTHER INFORMATION: Xaa at position 2 is either His, Asn, Gln, or Phe
197 <220> FEATURE:
198 <221> NAME/KEY: VARIANT
199 <222> LOCATION: (4)
200 <223> OTHER INFORMATION: Xaa at position 4 is either Phe, Tyr, Trp, Val,
201 Leu, Ile, Ala, or Met
202 <220> FEATURE:
203 <221> NAME/KEY: VARIANT
204 <222> LOCATION: (5)
205 <223> OTHER INFORMATION: Xaa at position 5 is either Lys or Arg
206 <400> SEQUENCE: 19
W-OK 207 Xaa Xaa Phe Xaa Xaa
208 1 5
209 <210> SEQ ID NO 20
210 <211> LENGTH: 5
211 <212> TYPE: PRT
212 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence: Amino acid
215 sequence motif
216 <220> FEATURE:
217 <221> NAME/KEY: VARIANT
218 <222> LOCATION: (1)
219 <223> OTHER INFORMATION: Xaa at position 1 is either Val, Leu, Ile, Ala, or
220 Met
221 <220> FEATURE:
222 <221> NAME/KEY: VARIANT
223 <222> LOCATION: (2)
224 <223> OTHER INFORMATION: Xaa at position 2 is either His, Phe, Tyr, or Trp
225 <220> FEATURE:
226 <221> NAME/KEY: VARIANT
227 <222> LOCATION: (3)
228 <223> OTHER INFORMATION: Xaa at position 3 is either Phe, Tyr, Trp, Val,
229 Leu, or Ile
230 <220> FEATURE:
231 <221> NAME/KEY: VARIANT
232 <222> LOCATION: (4)
233 <223> OTHER INFORMATION: Xaa at position 4 is either Phe, Tyr, Trp, Val,
234 Leu, or Ile
W-OK 235 <400> SEQUENCE: 20
236 Xaa Xaa Xaa Xaa Lys
237 1 5

Input Set: H991628.RAW

Line	Error/Warning	Original Text
146	W "N" or "Xaa" used: Feature required	Xaa His Xaa Xaa Lys
179	W "N" or "Xaa" used: Feature required	Xaa Xaa Xaa Phe Xaa Xaa
207	W "N" or "Xaa" used: Feature required	Xaa Xaa Phe Xaa Xaa
236	W "N" or "Xaa" used: Feature required	Xaa Xaa Xaa Xaa Lys